

12/03/01

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12-07-0

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**PATENT**

J1021 U.S. PRO  
10/005104

**UTILITY PATENT APPLICATION TRANSMITTAL**

Assistant Commissioner for Patents  
Washington, D.C. 20231  
**BOX PATENT APPLICATION**

Customer No.: 23696  
Attorney Docket No.: PA010548  
Date: December 3, 2001  
Express Mail Label No.: ET100742354US

Dear Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Bjerke, et al.

For: ITERATIVE DETECTION AND DECODING FOR A MIMO-OFDM SYSTEM

Enclosed are:

1.  Patent application (50) total pages.
2.  Drawings:  Formal (9) sheet(s) or  Informal ( ) sheet(s).
3.  Declaration/Power of Attorney:  Signed  Unsigned
4.  This application claims priority from Application Serial No. , Filed , Status
5.  An Assignment ( ) pages and Recordation Form Cover Sheet.
6.  A Preliminary Amendment ( ) pages.
7.  Information Disclosure Statement (IDS):
  - a.  PTO-1449
  - b.  Copies of IDS Citations (number of citations: )
8.  Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	67 - 20	47	x \$18 =	\$846.00
Independent**	7 - 3	4	x \$84 =	\$336.00
Multiple Dependent Claim(s): <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes			\$280	\$
APPLICATION FILING FEE			\$740	\$740.00
*If the number in column a is less than 20, enter 0 in column b. **If the number in column b is less than 3, enter 0 in column b.			TOTAL FEE	\$1922.00

8.  A check in the amount of \$ \_\_\_\_\_ is enclosed to pay the filing fee.

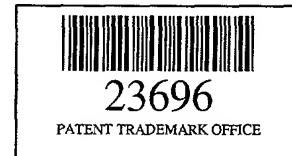
9.  Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1922.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.

10.  The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: December 3, 2001

Signature: Paul LaLaurie #44,179  
Kent D. Baker, Reg. No. 38,822  
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QUALCOMM Incorporated  
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5775 Morehouse Drive  
San Diego, California 92121-1714  
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## PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**

Asst. Commissioner of Patents  
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Dear Sir:

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I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, P.O. BOX 2327, Arlington, VA 22202:

PATENT APPLICATION IN 50 PAGES; TRANSMITTAL LETTER IN  
DUPLICATE; 9 SHEETS OF FORMAL DRAWINGS; UNSIGNED  
DECLARATION/POWER OF ATTORNEY; AND POSTCARD

Kayla R. Seignious

(Name)

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